BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

APPROVED TENDER SCHEDULE –'B'

Name of Work:-Construction of Class rooms at Kenchenahalli village in ward No-02 of Yelahanka Sub Division.

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP.	
				Rate	Rate in Words
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, No. 5/ Item No. 2.1/ PWD SR 2012-13	Cum	8.45	110.24	Rupeees one hundred ten and paise twenty fou only
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2012-13	cum	52.58 34.87	**132.50**	Rupeees one hundred thirty two and paise fifty only
3	KSRB-4-1.1 : Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2012-13	cum	8.00	**4053.44**	Rupeees four thousand fifty three and paise forty four only
4	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 22/ Item No. 5.6/ PWD SR 2012-13	cum	21.00	**2710.42**	Rupeees two thousand seven hundred ten and paise forty two only

5	KSRB 5.3-2 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 22/ Item No. 5.8/ PWD SR 2012-13	cum	6.30	3023.12	Rupeees three thousand twenty three and paise twelve only
6	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 97/ Item No. 15.1 / PWD SR 2012-13	sqm	14.00	70.07	Rupeees seventy and paise seven only
7	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No.12/ Item No. 4.6/ PWD SR 2012-13	cum	4.06	4327.98	Rupeees four thousand three hundred twenty seven and paise ninety eight only
8	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2012-13	cum	10.13	89.04	Rupeees eighty nine and paise four only
9	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 117 and KSRB M 100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 117 (SR 2012-13)	cum	8.45	76.79	Rupeees seventy six and paise seventy nine only
10	KSRB 6-2.2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2, Page No. 26/ Item No. 6.7/ PWD SR 2012-13	cum	34.17 12.15	5045.60	Rupeees five thousand forty five and paise sixty only
11	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1, 5:3 with 12 mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 13/ Item No. 4.19/ PWD SR 2012-13	sqm	7.32 6.36	376.30	Rupeees three hundred seventy six and paise thirty only
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete for R.C.C works laid in 15cms thick layers and well compacted vibrating curing etc. including smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20 (1:1.5:3) Page No. 17/ Item No. 4.49.1/ PWD SR 2012-13	cum	21.33 15.76	5535.32	Rupeees five thousand five hundred thirty five and paise thirty two only

13	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.34/ PWD SR 2012-13	sqm	8.00	**218.36**	*Rupeees two hundred eighteen and paise thirty six only*
14	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.37/ PWD SR 2012-13	sqm	14.64 7.0	**216.24**	Rupeees two hundred sixteen and paise twenty four only
15	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 14/ Item No. 4.29/ PWD SR 2012-13	sqm	134.32 113.11	**254.40**	Rupeees two hundred fifty four and paise forty only
16	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 16/ Item No. 4.46/ PWD SR 2012-13	**Quintal**	29.87 20.47	6781.00	Rupeees six thousand seven hundred eighty one only
17	Supplying and fixing pressed **steel door frames size 125 x 65 mm** manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, war page and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4 (P 37/I.7.26)		3.78	**3710.00**	Rupeees three thousand seven hundred ten only

18	Providing and fixing cold rolled perepainted **steel windows of IS standards, made out of 0.6mm thick deep** drawing quality galvanished on both sides 120gms/sq.mtr. Primer coat upto 5microns with thermosetting epoxy resin and finish painted with a polyester based paint 20microns thick. The size of profiles in approximately 46x52mm for external formes, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws. The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated. 4mm tinted glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizonatally at 125mm C/C by revetting to the external frame. The abovve frames are fixed to the conccrete / masonry walls by means of self expanding screws.		18.00 7.20	**3731.20**	Rupeees three thousand seven hundred thirty one and paise twenty only
19 18	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square, (e) the whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications.		50.00 14.75	**689.00**	Rupeees six hundred eighty nine only
20 19	KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. . Page No. 97/ Item No. 15.10 / PWD SR 2012-13	sqm	**243.18** 92.85	**113.42**	Rupeees one hundred thirteen and paise forty two only
21 20	KSRB 15.3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. . Page No. 97/ Item No. 15.11 / PWD SR 2012-13	sqm	**114.52** 63.70	**109.18**	Rupeees one hundred nine and paise eighteen only
22 21	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 98/ Item No. 15.21 / PWD SR -2009-10	sqm	**45.00** 27.80	**147.34**	Rupeees one hundred forty seven and paise thirty four only
23 22	KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.33 / PWD SR 2012-13	sqm	**159.52** 91.50	**16.75**	Rupeees sixteen and paise seventy five only

23	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. Grey granite Page No. 115/ Item No. 14.47 / PWD SR 2012-13	sqm	45.00 30.94	1708.72	Rupeees one thousand seven hundred eight and paise seventy two only
24	Providing and applying **Putty for filling holes**(Material components Sl.No. 605, Code No. 0315, Page No. XXII)	sqm	79.76 53.70	75.00	Rupeees seventy five only
25	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No.101/ Item No. 15 51 / PWD SR 2012-13	sqm	204.52 91.50	57.24	Rupeees fifty seven and paise twenty four only
26	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 102/ Item No. 15 53 2 / PWD SR 2012-13 with primer	sqm	243.18 92.85	65.72	Rupeees sixty five and paise seventy two only
27	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 102/ Item No. 15.60 / PWD SR 2012-13	sqm	21.78 18.18	75.26	Rupeees seventy five and paise twenty six only
	B) WATER SUPPLY AND SANITARY WORKS				
29	KSRB 13-1.1 : Providing and fixing to wall, ceiling and floor galvanized / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2 51 kg/mtr)) B class including cost of all materials, labour, charges HOM of equipments and testing complete as per specifications. Specification No. KBS 13 2 14 / 13 8 Page No. 79/ Item No. 13.3 / PWD SR 2012-13	Mtrs	12 00	227.90	Rupeees two hundred twenty seven and paise ninety only
30	KSRB 13-4 1: Making connection of G.I. distribution branch with G I main of 25 to 40mm. nominal bore, including bore, including cutting and threading the pipes, providing and fixing Tee, nuts, labour for all item of works, testing and HOM of equipments complete as per specifications. Specification No. KBS 13.10. Page No. 80/ Item No. 13 20 / PWD SR 2012-13	**Nos**	5 00	**287.26**	Rupeees two hundred eighty seven and paise twenty six only
31	KSRB 11-3: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580m with footrests, 100 mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Page No. 67/ Item No. 12 3 PWD SR 2012-13	Pan	**1.00**	**968.84**	Rupeees nine hundred sixty eight and paise eighty four only
32	KSRB 13-6 2 6: Providing and fixing in position brass gate valve with C I. wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13 2 6 / 13 3 Page No. 81/ Item No. 13 34 / PWD SR 2012-13	Each	**1.00**	**578.76**	Rupeees five hundred seventy eight and paise seventy six only

33	Providing and fixing CI Nahani trap of approved make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary (rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) (P.No - 76 I.No.12.113) SR 2012-13	Each	2.00	233.20	Rupeees two hundred thirty three and paise twenty only
34	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole and suitable locking arrangements making of suitable diameter for inlet, outlet and over flow pipes including cost of all materials labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity) Specification No. KBS 13.22 (P. 83/13.78) SR 2012-13	Nos	1.00	6838.06	Rupeees six thousand eight hundre thirty eight and paise six only
35	Providing and fixing in trenches glavanized mild steel tubes (medium grade) 25mm dia nominal bore with all fitting (earth work in trenches to be measures and paid for separately) incldluing cost of materils, labour charges HOM of equipment and testing complete as per sepcification Page No 79/ Item No 13.12 PWD SR 2012-13	Mtrs	15.00	201.40	Rupeees two hundred one and paise forty only
36	0185 Providing and fixing rain down water pipe of 90mm outer dia of 2.5 kg/Sqcm pressure pipes of HDPE rain water pipes Page No. IX Sl No 245	m	10.00	93.28	Rupeees ninety three and paise twenty eight only
	C) Electrification work				
37	Supplying and wiring adopting loop system in exisiting PVC conduit/casing caping using copper PVC insulated multi standard 2x1.5sqm copper wire with the 6 amps flush type SP control switch shall be fixied on the exisiting plastic sheet / gang box, the other end	P/Mtr	12.00	220.00	Rupeees two hundred twenty only
38	Supplying 6A flush / Protected type socket and a 6 amps flush / projected type SP switch either surface mounting in a exisiting gang box or in a 4mm thick plastic sheet and fixing over a fllush mounted wooden box and wiring using necessary capacity wires	Each	10.00	90.00	Rupeees ninety only
39	Supply and fixing of bakelite D.P/Socket/switchwith /without neon indicator over exiting wood board or flush mounting in plastic plates / niches-I using Group A Material.	Each			
	c) 16 Amps flush type Universal socket.		9.00	95.00	Rupeees ninety five only
40	Supplying 4 mm thick plastic sheet with necessry nitches for fixing switches regulators etc.., and fixing on exisiting wooden pr metal box using N.F.screws	P/sqm	1800.00	0.20	paise twenty only
41	POINT WIRING USING COPPER WIRE WITH SWITCH Supplying ad wiring adopting loop system in existing PVC conduit / casing caping using copper PVC insulated multi strand 2x1.5 sq.mm copper wire with a 6 Amps flush on the exisiting II. Point wire using class B Material				
	a) Short point upto 3mtr from tapping point to our let via switch	Each	6.00	140.00	Rupeees one hundred forty only
	b) Medium point above 3mtrs upto 6 mtr from tapping point to cut let via switch.	Each	3.00	220.00	Rupeees two hundred twenty only
	c) Long point above 6 mtrs to 10 mtrs from tapping point to out let via switch.	Each	2.00	325.00	Rupeees three hundred twenty five only
42	Wiring for lighting / power circuit using one of PVC indulated 1100 v grade, multi and copper conductor single core cable in open or concealed system of wiring : I Group - A Materials				

	d) 4 sqmm	P/Mtr	25.00	30.00	Rupeees thirty only
	f) 10 sqmm	P/Mtr	10.00	85.00	Rupeees eighty five only
43	Supplying heavy guage PVC conduit pipe.., Dia confirming to IS 2509 with suitable size bends, jnction boxes, adhesive paste etc.., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls.				
	a) 19/20m dia 2mm thick	P/Mtr	25.00	32.00	Rupeees thirty two only
	b) 25mm dia 2mm thick	P/Mtr	10.00	43.00	Rupeees forty three only
44	Supplying and fixing sheet metal box made out of 18 SWG sheet with necessary holes for cable / conduict entry as required with one coat of primer of approved make etc. (P.02) (Sl.No-04)(ch-01)				
	b) 100x75x65mm	Each	4.00	72.00	Rupeees seventy two only
	d) 180x90x65mm	Each	2.00	113.00	Rupeees one hundred thirteen only
45	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting necessary masonry patch work complete(Ch-01) (P.03) (Sl.No-06)				
	a) 12x"12x"3(300x300x76mm)	Each	1.00	90.00	Rupeees ninety only
	c) 10"x7"3"(254x178x76mm)	Each	2.00	60.00	Rupeees sixty only
46	Supplying patty type flourscent tube light fitting of 4'-36/40 watts fluorecsent tube fitting,, made out of M.S Sheet and stove enameled with low loss open construction copper wound ferrmagnetstic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wires for use on 230 vo,lts A C supply inluding I No 4'-36/40 watts fluorescent tube.- Groub-b II 2x4'36/40 Watts				
	a) Group A	Each	3.00	950.00	Rupeees nine hundred fifty only
47	Wiring for lighting / power circuit using one of PVC indulated 1100 v grade, multi and copper conductor single core cable in open or concealed system of wiring : I Group - A Materials c) 2.5 sqmm	P/mtr	12.00	21.00	Rupeees twenty one only
48	Supplying and fixing HRC fuse link on exisiting switch fuse base ec) 125 amps	Each	2.00	420.00	Rupeees four hundred twenty only
49	Supplying and fixing minitrature circuit breakers on existing MCB distribuution boards using necessary fixing materils and wiring complete as required - A) 5-32 amps S.P(1) Group A	Each	1.00	540.00	Rupeees five hundred forty only
50	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class b,50 mm	P/mtr	2.00	260.00	Rupeees two hundred sixty only
51	Supplying and fixing angles iron frame work fabricated out of M.S angle iron.., and M.S.flat.., with washers etc., and painted with two coats of red oxide and then two coats of approved paint a) 40x40x6 mm	P/mtr	2.00	210.00	Rupeees two hundred ten only

52	Fixing all type and all capacities fluorescent / false ceiling/spot light/CFL indoor on the walls / ceilin g / rates/girders uising 23/0.0076" twins twisted PVC insulted wires, required nos of round holcoks and clamps (if requied) a) On wall/ceiling	Each	3.00	85.00	Rupeees eighty five only

Technical Manager-2
KRIDL, BBMP, Bangalore
Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bangalore.
14/3/13.